

Anti-MUTYH antibody

Cat. No.	ml221013
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-MUTYH rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human MUTYH
Reactivity	Human
Content	0.4 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	MUTYH
Full name	mutY DNA glycosylase

Synonyms	MYH
Swissprot	Q9UIF7

Target Background

This gene encodes a DNA glycosylase involved in oxidative DNA damage repair. The enzyme excises adenine bases from the DNA backbone at sites where adenine is inappropriately paired with guanine, cytosine, or 8-oxo-7,8-dihydroguanine, a major oxidatively damaged DNA lesion. The protein is localized to the nucleus and mitochondria. Mutations in this gene result in heritable predisposition to colon and stomach cancer. Multiple transcript variants encoding different isoforms have been found for this gene.

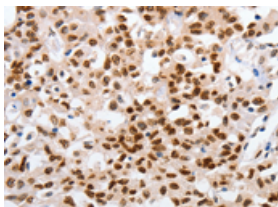
Applications

Immunohistochemistry

Predicted cell location: Nucleus

Positive control: Human lung cancer

Recommended dilution: 25-100

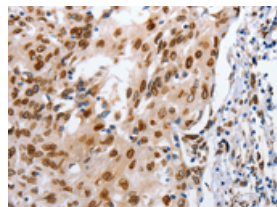


The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml221013(MUTYH Antibody) at dilution 1/25, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Predicted cell location: Nucleus

Positive control: Human cervical cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml221013(MUTYH Antibody) at dilution 1/25, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Western blotting

Predicted band size: 60 kDa

Positive control: Hela cells

Recommended dilution: 1000-5000

Gel: 8%SDS-PAGE

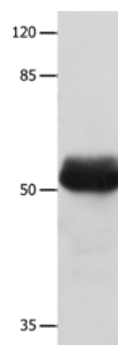
Lysate: 40 μ g

Lane: Hela cells

Primary antibody: ml221013(MUTYH Antibody) at dilution 1/500

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute



ELISA

Recommended dilution: 2000-10000

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